

INTERNATIONAL SEARCH REPORT

International application No.

PCT/IB 2004/001762

A. CLASSIFICATION OF SUBJECT MATTER

IPC7: E21B 43/01

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC7: E21B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

SE,DK,FI,NO classes as above

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

EPO-INTERNAL, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	EP 0733843 A1 (SNAMPROGETTI S.P.A. ET AL), 25 Sept 1996 (25.09.1996) --	1-27
A	GB 2323907 A (SONSUB INTERNATIONAL LIMITED), 7 October 1998 (07.10.1998) --	1-27
A	US 5458440 A (L.C. VAN HELVOIRT), 17 October 1995 (17.10.1995) --	1-27
A	US 5433482 A (A.R. BADDOUR), 18 July 1995 (18.07.1995) --	1-27

☒ Further documents are listed in the continuation of Box C.

☒ See patent family annex.

* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"B" earlier application or patent but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance: the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance: the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&" document member of the same patent family

Date of the actual completion of the international search

16 Sept 2004

Date of mailing of the international search report

17 -09- 2004

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INTERNATIONAL SEARCH REPORT

International application No.

PCT/IB 2004/001762**C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT**

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	<p data-bbox="316 331 1120 401">US 4019334 A (A.R. SINCLAIR ET AL), 26 April 1977 (26.04.1977)</p> <p data-bbox="662 436 792 478">-- -----</p>	1-27

INTERNATIONAL SEARCH REPORT

Information on patent family members

31/07/2004

International application No.

PCT/IB 2004/001762

EP	0733843	A1	25/09/1996	AU	702838	B	04/03/1999
				AU	5164596	A	08/10/1996
				BR	9601122	A	06/01/1998
				CA	2216108	A	26/09/1996
				CN	1065605	B	09/05/2001
				CN	1184526	A	10/06/1998
				IT	237104	Y	31/08/2000
				IT	1277185	B	05/11/1997
				IT	MI950579	A,U,V	23/09/1996
				NO	974356	A	24/11/1997
				US	5921713	A	13/07/1999
				WO	9629532	A	26/09/1996
<hr/>							
GB	2323907	A	07/10/1998	GB	9706762	D	00/00/0000
				GB	9807230	D	00/00/0000
				US	6234717	B	22/05/2001
				US	6503021	B	07/01/2003
				US	20010010782	A	02/08/2001
<hr/>							
US	5458440	A	17/10/1995	GB	2276696	A	05/10/1994
				GB	9406084	D	00/00/0000
<hr/>							
US	5433482	A	18/07/1995	NONE			
<hr/>							
US	4019334	A	26/04/1977	AU	508887	B	03/04/1980
				AU	2333277	A	21/09/1978
				CA	1059328	A	31/07/1979
				GB	1576065	A	01/10/1980
				JP	1265058	C	27/05/1985
				JP	52111801	A	19/09/1977
				JP	59044478	B	30/10/1984
				NO	770937	A	20/09/1977
				US	RE31265	E	07/06/1983